| L Number | Hits | Search Text | DB | Time stamp |
|---|---|---|---|---|
| 1 | 35939 | print$ and weld$ | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/10/06 06:26 |
| 2 | 3415216 | tube$6 or sleeve$6 or hollow or cylind$4 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/10/06 06:27 |
| 3 | 17183 | (print$ and weld$) and (tube$6 or sleeve$6 or hollow or cylind$4) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/10/06 06:28 |
| 4 | 2590587 | ends or edges | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/10/06 06:28 |
| 5 | 13091 | ((print$ and weld$) and (tube$6 or sleeve$6 or hollow or cylind$4)) and (ends or edges) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/10/06 06:29 |
| 6 | 2586960 | plate | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/10/06 06:30 |
| 7 | 7951 | (((print$ and weld$) and (tube$6 or sleeve$6 or hollow or cylind$4)) and (ends or edges)) and plate | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/10/06 06:30 |
| 8 | 235358 | bead$4 or blob | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/10/06 06:33 |
| 9 | 924 | ((((print$ and weld$) and (tube$6 or sleeve$6 or hollow or cylind$4)) and (ends or edges)) and plate) and (bead$4 or blob) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/10/06 07:08 |
| 10 | 3 | ("3490841" \| "5218405" \| "5418600").PN. | USPAT | 2003/10/06 06:42 |
| 11 | 699580 | $6weld$6 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/10/06 07:09 |
| 12 | 1759490 | "12" and (tube$6 or sleeve$6 or hollow or cylind$4) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/10/06 07:12 |
| 13 | 290762 | (tube$6 or sleeve$6 or hollow or cylind$4) and $6weld$6 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/10/06 07:13 |
| 14 | 13079 | (ends or edges) and (((print$ and weld$) and (tube$6 or sleeve$6 or hollow or cylind$4)) and (ends or edges)) and ((tube$6 or sleeve$6 or hollow or cylind$4) and $6weld$6) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/10/06 07:13 |

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|---|---|---|---|---|
| 15 | 95360 | (ends or edges) and plate and ((tube$6 or sleeve$6 or hollow or cylind$4) and $6weld$6) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/10/06 07:14 |
| 16 | 3883916 | al or aluminum | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/10/06 07:14 |
| 17 | 72594 | ((ends or edges) and plate and ((tube$6 or sleeve$6 or hollow or cylind$4) and $6weld$6)) and (al or aluminum) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/10/06 07:15 |
| 18 | 1092689 | expand$6 or expansion$3 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/10/06 07:16 |
| 19 | 23090 | (((ends or edges) and plate and ((tube$6 or sleeve$6 or hollow or cylind$4) and $6weld$6)) and (al or aluminum)) and (expand$6 or expansion$3 ) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/10/06 07:16 |
| 20 | 501935 | bead$4 or seam$4 or bump$3 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/10/06 07:17 |
| 21 | 5973 | ((((ends or edges) and plate and ((tube$6 or sleeve$6 or hollow or cylind$4) and $6weld$6)) and (al or aluminum)) and (expand$6 or expansion$3 )) and (bead$4 or seam$4 or bump$3) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/10/06 07:18 |
| 22 | 5973 | plate and (((((ends or edges) and plate and ((tube$6 or sleeve$6 or hollow or cylind$4) and $6weld$6)) and (al or aluminum)) and (expand$6 or expansion$3 )) and (bead$4 or seam$4 or bump$3)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/10/06 07:18 |
| 23 | 1447754 | $6print$5 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/10/06 07:20 |
| 24 | 1165 | (plate and (((((ends or edges) and plate and ((tube$6 or sleeve$6 or hollow or cylind$4) and $6weld$6)) and (al or aluminum)) and (expand$6 or expansion$3 )) and (bead$4 or seam$4 or bump$3))) and $6print$5 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/10/06 08:10 |
| 25 | 8 | ("1963745" \| "3146709" \| "3750250" \| "4198739" \| "4643095" \| "4872407" \| "5351615" \| "5379693").PN. | USPAT | 2003/10/06 07:47 |
| 26 | 3 | 5492059.URPN. | USPAT | 2003/10/06 07:51 |
| 27 | 9 | ("2274961" \| "2372665" \| "2647847" \| "2768433" \| "3098285" \| "3451903" \| "3461046" \| "3616520" \| "3633259").PN. | USPAT | 2003/10/06 08:06 |
| 28 | 10 | 3950839.URPN. | USPAT | 2003/10/06 08:08 |

| L Number | Hits | Search Text | DB | Time stamp |
|---|---|---|---|---|
| 1 | 323 | (sheet adj metal) same draw$3 same roll | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/10/06 15:23 |
| 2 | 1690766 | cut or cutting | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/10/06 15:23 |
| 3 | 155 | ((sheet adj metal) same draw$3 same roll) and (cut or cutting) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/10/06 15:32 |

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| L Number | Hits | Search Text | DB | Time stamp |
|---|---|---|---|---|
| 1 | 1277 | mandrel and weld$4 and (crown or bump or seam or bead) and air | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/10/06 09:05 |